

ATCC 21523	10	20	30	40	
NRRL-B11474	MSTHTSSTLPAPFKKILVANRGEIAVRAFRAALETGAATVAIYP				
	50	60	70	80	90
ATCC 21523	REDRGSFHRSFASEAVRIGTEGSPVKAYLDIDEIIGAANKVKADAIYPGYGFLSENAQLA				
NRRL-B11474					
	110	120	130	140	150
ATCC 21523	RECAENGITFIGPTPEVLDLTGDKSRVTAACKAGLPVLAESTPSKNIDEIVKSAEGQTY				
NRRL-B11474	D				
	170	180	190	200	210
ATCC 21523	PIFVKAVAGGGGRGMRFVASPDELRLKATEASREAEAAFGDGAVYVERAVINPQHIEVQI				
NRRL-B11474	S S				
	230	240	250	260	270
ATCC 21523	LGDHTGEVVHLYERDCSLQRRHQKVVEIAPAAQHLDPELRDRICADAVKFCRSIGYQGAG				
NRRL-B11474	R				
	290	300	310	320	330
ATCC 21523	VEFLVDEKGNHVFIEMNPRIQVEHTVTEEVDLVKAQMRLAAGATLKEGLTQDKIKT				
NRRL-B11474					
	350	360	370	380	390
ATCC 21523	HGAALQCRITTEDPNNGFRPDTGTITAYRSPGGAGVRLDGAAQLGGEITAHFDSMLVKMT				
NRRL-B11474					
	410	420	430	440	450
ATCC 21523	CRGSDFFETAVARAQRALAEFTVSGVATNIGFLRALLREEDFTSKRIATGFIADHPHLLQA				
NRRL-B11474	G				
	470	480	490	500	510
ATCC 21523	PPADDEQGRILDYLDVTVNKPVGVRPKDVAAPIDKLPNIKDLPLPRGSRDRKQLGPAA				
NRRL-B11474					
	530	540	550	560	570
ATCC 21523	FARDLREQDALAVTDTTFRDAHQSLLATRVRSFALKPAAEAVAKLTPELLSVEAWGGATY				
NRRL-B11474					
	590	600	610	620	630
ATCC 21523	DVAMRFLFEDPWDRDLDELREAMPNVNIQMLLRGRNTVGYTPYPDSVCRAFVKEAASSGVD				
NRRL-B11474					
	650	660	670	680	690
ATCC 21523	IFRIFDALNDVSQMRPAIDAVLETNTAVAEVAMAYSGDLSDPNEKLYTLDYLYLKMAEEIV				
NRRL-B11474					
	710	720	730	740	750
ATCC 21523	KSGAHILAIKDMAGLLRPAAVTKLVLTALRREFDLPHVHTHDTAGGQLATYFAAAQAGAD				
NRRL-B11474					
	770	780	790	800	810
ATCC 21523	AVDGASAPLSGTTSQPSLSAIVAAFAHTRRDTGLSLEAVSDLEPYWEAVRGLYLPFESGT				
NRRL-B11474					

FIG. 2A

ATCC 21523	830	840	850	860	870	880
NRRL-B11474	PGPTGRVYRHEIPGGQLSNLRAQATALGLADRFELIEDNYAAVNEMLGRPTKVTPSSKV					
ATCC 21523	890	900	910	920	930	940
NRRL-B11474	GDLALHLVGAGVDPADFAADPQKYDIPDSVIAFLRGELGNPPGGWPEPLRTRALEGRSEG					
ATCC 21523	950	960	970	980	990	1000
NRRL-B11474	KAPLTEVPEEEEQAHL DADDSKERN SLNRLLFPKPTEEFLEHRRRFGNTSALDDREFFYG					
ATCC 21523	1010	1020	1030	1040	1050	1060
NRRL-B11474	LVEGRETLIRLPDVRTPLLVR LDAISEPDDKGM RNVVANVNGQIRPMVRDRSVESVTAT					
ATCC 21523	1070	1080	1090	1100	1110	1120
NRRL-B11474	AEKADSSNKGHVAAPFAGVVTVTVAEGDEVKAGDAVAII EAMKMEATITASVDGKIDRVV E					
ATCC 21523	1130	1140				
NRRL-B11474	VPAATKVEGGDLIVVVS					

FIG. 2B